Speaker Bios

Richard Gann

Dr. Richard G. Gann is a senior research scientist in the Fire Research Division of the NIST Engineering Laboratory. Prior to joining NBS/NIST, Dr. Gann was a Postdoctoral Research Associate at the Space Research Coordination Center and the Department of Chemistry at the University of Pittsburgh and a Research Chemist in the Combustion and Fuels Branch of the Naval Research Laboratory. He also worked briefly for the Plastics and Resins Division of the American Cyanamid Co. In his 35 years at NIST, Dr. Gann has served as a Research Chemist, Group Leader, Division Chief, Program Analyst, and Senior Research Scientist. He was a Senior Executive Fellow at the John F. Kennedy School of Government, Harvard University. He has led major interagency, public/private sector projects on less fire-prone cigarettes (for the U.S. Congress) and next generation fire suppression technology (for the Department of Defense), and was a principal in the NIST investigation into the 2001 World Trade Center disaster. He is on the Editorial Boards of *Fire Technology* and *Fire and Materials*.

Recognizing that implementation into practice and regulation is key to realizing the benefits of quality science, Dr. Gann has been active in both professional societies (American Chemical Society, Combustion Institute) and standards organizations. He chairs task groups in ASTM E-5 (Fire Standards). He chairs the National Fire Protection Association Toxicity Technical Advisory Committee and is a member of the Fire Test Committee. He chairs the ISO TC92 SC3 Subcommittee on Fire Threat to People and the Environment and is a leader in SC1 (Fire Initiation and Growth) and SC4 (Fire Safety Engineering). He has worked closely with domestic and international regulators in implementing NIST research results in life-saving legislation, notably in the areas of less fire-prone cigarettes and mattresses.

For his technical and standards leadership, Dr. Gann has received ASTM's Simon H. Ingberg Award, the (Congressman) John Joseph Moakley Award, the Sjolin Award from the International Forum of Fire Research Directors, two Department of Commerce Gold Medals, and a (U.S.) Presidential Rank Award.

Gordon Gillerman

Gordon Gillerman is the Director of the Standards Services Group (SSG), Standards Coordination Office at the National Institute of Standards and Technology (NIST). Gordon has extensive experience in coordinating standards policy and development

across a wide range of sectors critical to the U.S. including homeland security, safety, health and protection of the environment.

Gordon has been the NIST lead in designing and implementing conformity assessment programs as well as assisting in the development of performance standards to meet other federal agency and industry needs and fulfill NIST's role in coordinating standards and conformity assessment in the U.S. Gordon is the Public Sector Co-Chair of the American National Standards Institute's (ANSI) Homeland Security Standards Panel, a member of the Toy Industry Association, Toy Safety Certification Program's Oversight Council and a sought after lecturer on standards, conformity assessment and regulation.

Previous positions include leading government affairs for the largest U.S. product safety certification and standard development organization, Underwriters Laboratories (UL) in Washington, DC, and Staff Engineer for the medical device and information technology sectors at UL's Northbrook, IL headquarters. Gordon has worked collaboratively within the standards community to enhance health, safety, the environment and security throughout his career. In 2008 Gordon received an Environmental Protection Agency Gold Medal. He has also received a Department of Commerce Bronze Medal and the ANSI Meritorious Service Award for his work in standards and conformity assessment.

Gordon received a Bachelor's Degree BSEET from Bradley University in Peoria, IL.

Pat Harris

Pat Harris is an International Standards Specialist. She brings to SSG extensive experience in the standards development arena at the national and international levels. For twenty years Pat managed an ANSI-accredited standards setting organization and was directly involved in international standards development through the ISO. As secretariat for an ISO Subcommittee and the U.S. Technical Advisory Group to an ISO Technical Committee she gained valuable insights into standards development processes and systems. In her career, Pat has engaged in a number of standards activities that have demonstrated the value of standardization to enabling innovations in information technology, including standardization of the file structures for the CD-ROM and eBooks. She is a graduate of the Randolph Macon Woman’s College, holds an M.S. from the University of North Carolina-Chapel Hill, and currently serves on the Board of Visitors to the UNC-Chapel Hill School of Information and Library Science.

Angela Hight Walker

Dr. Hight Walker's research in the Biophysics group focuses on understanding the underlying chemistry and physics of nanomaterials, including noble and transition metallic nanoparticles, carbon nanotubes, and graphene. While the tool of choice is Raman spectroscopy, they use a suite of measurement methods to characterize the physicochemical properties of nanomaterials that enable key applications, such as medicine and energy, as well as predict their impact on the Environmental Health and Safety (EHS).

The Raman facility is unique. Multiple laser lines, two spectrometers including a triple grating, cryostats, magnetic field, and an atomic force microscope combined instrument, provide the basis for the measurement capabilities. Through our extensive in-house engineering and synthesis capabilities, we are able to uniquely synthesize the nanomaterials, fine tune their properties and isolate specific parameters for study. This cycle of production, isolation, and characterization is fundamental to a meaningful, detailed analysis.

Multidisciplinary collaborations, both those inside of NIST and beyond, are crucial to the group's success. By working in research teams, we learn more and contribute more fully to the physics of nanotechnology. NIST teams with which her group actively collaborates include Carbon Nanotube Metrology, Biomagnetic Imaging, Graphene, and Nano EHS.

Dr. Hight Walker is actively involved in standard activities regarding nanotechnology. Under ISO/TC 229, she chairs the US Technical Advisory Group for Working Group 2: Measurement and Characterization, as well as an international Joint Task Group titled Measurement and Characterization of Nanomaterials for Environment, Heath, and Safety. Angela also is a contributor to the characterization of the NIST carbon nanotube reference material.

An issue of great importance to Dr. Hight Walker is encouraging young students to participate in science. Through on and offsite demonstrations and lectures, she activity engages in promoting the excitement of science. Mentoring undergraduate students and postdoctoral researchers is also a priority.

MaryAnn Hogan

MaryAnn Hogan is a Technical Information Specialist in the U.S. WTO TBT Inquiry Point located in the National Center for Standards and Certification Information

(NCSCI), part of the Standards Services Group at NIST. Between 2007 and late 2010, she served as a Research Librarian with the NIST Research Library.

MaryAnn earned a Bachelor of Arts magna cum laude in German and Anthropology and a Master of Library Science degree from the University of Maryland.

Michael Hogan

Michael Hogan has worked as an electronics engineer at the National Institute of Standards and Technology (NIST) since 1974. As the Standards Liaison for the NIST Information Technology Laboratory, he represents NIST at national and international fora that advance measurement science, testing, and standards in support of more interoperable, usable, scalable, reliable, and secure information technology (IT). Since September 2003, Mr. Hogan has served as the Convener of the international standards group: ISO/IEC JTC 1/SC 37 Working Group 4 - Biometric Functional Architecture and Related Profiles. Since the beginning of 2007, Mr. Hogan has served as the Chair of the Standards and Conformity Assessment Working Group of the NSTC Subcommittee on Biometrics and Identity Management.

Mr. Hogan is also serving as the Co-Convener of the NIST Cloud Computing Standards Roadmap Working Group, which was established in January 2011.

Mr. Hogan graduated with honors (member of Eta Kappa Nu) with a B.S. degree in electrical engineering from the University of Maryland in 1973.

Ajit Jillavenkatesa

Dr. Ajit Jillavenkatesa is a Senior Standards Policy Advisor with the Standards Coordination Office at the National Institute of Standards and Technology (NIST).

Ajit specializes in standards and conformity assessment related policy issues in South Asia, Asia-Pacific and the Mid-East Asia regions. His primary responsibilities include providing standards and conformity assessment related policy and technical expertise to NIST staff and leadership, the U.S. Department of Commerce, other U.S. Government agencies and the private sector. Ajit contributes documentary standards and conformity assessment expertise to intra- and inter- governmental groups, bridging the worlds of standards, international trade and regulatory policy.

He has also provided standards policy expertise to the House Committee on Science and Technology during a detail to the Committee in 2010, and was a resource to Committee staff during the development and reauthorization of the America

COMPETES Act. Ajit has served in the NIST Director's Program Office, and is currently the Executive Director of the Subcommittee on Standards, part of the National Science and Technology Council's Committee on Technology.

Dr. Jillavenkatesa is a materials scientist by training, having joined NIST in 1997, with a Ph.D. in Ceramics from Alfred University in New York. He has authored and co-authored books and peer reviewed publications related to physical and chemical characterization of materials. He received the American National Standards Institute's Next Generation Award in 2008, and a Department of Commerce Bronze Medal in 2009

Jorrit de Jong

Jorrit de Jong is an expert in standards simulation exercises and in the political and economic aspects of standardization. Mr. De Jong is a resident research fellow at the Ash Institute for Democratic Governance and Innovation at the Harvard Kennedy School and a senior lecturer at Vrije Universiteit in Amsterdam. His research, teaching and consultancy focus on innovation in the public sector, and he has published books and articles on change management, innovation and public service delivery. Mr. De Jong has developed and delivered numerous executive education programs on innovation, negotiation, cross-sectoral collaboration, democratic governance, public management and leadership. He is a seminal figure in the field of simulation exercises and has moderated and facilitated simulation exercises for over 250 government organizations and universities around the globe over the past 10 years. His simulation exercise for standardization has received acclaim from leading experts in the industry, distinguished scholars of standardization and standards management organizations. Mr De Jong has contracted with NIST in the past as a trainer, moderator and simulation expert. His broad experience in this highly specific area, where didactic theory meets standards management, is invaluable.

Ileana Martinez

Ileana Martinez is International Affairs Advisor, Standards Coordination Office at the National Institute of Standards and Technology (NIST). She also serves as International Affairs Advisor to the National Voluntary Laboratory Accreditation Program (NVLAP) at NIST and is Vice Chair of the Inter American Accreditation Cooperation (IAAC).

Ms. Martinez has expertise in the U.S. approach to standards, regulations, conformity assessment, laboratory accreditation, as well as in the National Technology Transfer

and Advancement Act (Public Law 104-96), U.S. trade obligations under the World Trade Organization (WTO) Technical Barriers to Trade Agreement (TBT), the U.S. Inquiry Point, and related topics.

From 1996 through 2000, Ms. Martinez served as the NIST Regional Standards Attaché at the U.S. Embassies in Buenos Aires, Argentina and in Brasilia, Brazil, with standards-related responsibilities for South America, seeking to reduce technical barriers to trade in the region. Ms Martinez earlier worked as a Standards Engineer in a variety of industrial sectors for both U.S. and overseas organizations gaining hands-on experience in national, regional and international standardization and conformity assessment activities.

Ms. Martinez earned a bachelor degree in Mechanical Engineering from the Catholic University of America in Washington, D.C. and did graduate work at American University in Washington, D.C. in Science/Technology Policy.

Willie May

Dr. Willie May is the NIST Associate Director for Laboratory Programs. He is responsible for oversight and direction of NIST's six laboratory programs and is the principal deputy to the NIST Director. The position of Associate Director for Laboratory Programs was created in October 2010 as part of the first major realignment of NIST programs in more than 20 years.

NIST's six laboratories include the Physical Measurement Laboratory, Material Measurement Laboratory, Engineering Laboratory, Information Technology Laboratory, the Center for Nanoscale Science and Technology, and the NIST Center for Neutron Research. The NIST Laboratories collaborate with U.S. industry and universities to conduct measurement, standards, and technology research that advances the nation's R&D infrastructure. The overarching goal of the NIST laboratory programs is to accelerate U.S. innovation, which is a major driver of economic growth and job creation.

Prior to his current position, Dr. May served as Director of the Material Measurement Laboratory, which serves as the Nation's reference laboratory for measurements in the chemical, biological, and materials sciences through activities ranging from fundamental research in the composition, structure, and properties of industrial, biological and environmental materials and processes, to the development and dissemination of certified reference materials, critically evaluated data, and other measurement quality assurance programs.

Previously Dr. May led NIST's research and measurement service programs in chemistry-related areas for more than 20 years. His personal research activities were focused in the areas of trace organic analytical chemistry and physico-chemical properties of organic compounds.

Other National and International Responsibilities: Dr. May has several leadership responsibilities in addition to those at NIST. He is Vice President of the 18-person International Committee on Weights and Measures (CIPM), Chairs the CIPM Consultative Committee on Metrology in Chemistry's Organic Analysis Working Group; Co-Chair's the Joint Committee on Traceability in Laboratory Medicine's Working Group on Reference Materials and Reference Procedures; Chairs the Executive Board for the Hollings Marine Laboratory in Charleston, SC.; and on the Board of Visitors for the University of Maryland College Park's College of Computer, Mathematical, and Natural Sciences.

Nathalie Rioux

Nathalie is a Technical Information Specialist for the Standards Services Group at the National Institute of Standards and Technology (NIST). She is part of the team that implements the NTTAA and OMB Circular 1-119, and is a content manager for several websites.

Prior to NIST, Nathalie worked at the American Institute of Physics and the Water Environment Research Foundation. She has extensive water quality management experience in both the public and private sectors. Nathalie holds a B.S. degree in Biology from Indiana University and a M.S. degree in Water Resources Management from the University of Michigan.

Mary Saunders

Mary Saunders currently serves as Director, Standards Coordination Office, NIST. In this capacity, she represents NIST and its significant interests in the standards and conformity assessment community and advises NIST leadership on policy and strategy as they relate to NIST’s role in standardization. Her responsibilities include serving as a central point of focus for standards and conformity assessment policy for NIST, coordinating with the private sector and other federal agencies on standardization activities, leading interagency standards coordination, and leading NIST’s standards interactions with foreign governments.

Prior to her return to NIST, Ms. Saunders served as Deputy Assistant Secretary for Manufacturing and Services, where she managed the day-to-day operations of the

International Trade Administration’s (ITA) Manufacturing and Services division of more than 200 industry specialists, economists and international trade experts. She helped strengthen the competitive position of U.S. industries in the U.S. and world markets by coordinating Commerce Department strategies, policies and programs with U.S. industries in mind. At NIST, she served in a variety of positions during a 15 year career, including Chief, Standards Services Division. In that capacity, she administered a range of standards-related programs to provide solutions to regulatory and industry needs and increase trade opportunities. Over the course of her Commerce career, Ms. Saunders has managed programs to advance U.S. business and technology interests in the European Union, Russia and the Newly Independent States, China and Japan. She has worked with a broad range of sectors on competitiveness and market access issues, including information and communications technologies, telecommunications, medical devices, oil and gas equipment, construction equipment, energy technologies and consumer goods.

Ms. Saunders has been in federal service since 1979, serving in a variety of positions with the Department of the Army, including the Office of Institutional Research, U.S. Military Academy, before joining ITA in 1986. In ITA, she served as a special assistant in the Office of Capital Goods and as Team Leader, Internal Market Staff, in the Office of European Community Affairs, where she was a member of the U.S. team that negotiated the U.S.-European Union Mutual Recognition Agreement.

She has received the Department's Silver and Bronze Medals for outstanding achievements on several occasions during her Commerce career. She received her B.A. from Vanderbilt University and an M.P.A. from the Woodrow Wilson School of Public and International Affairs, Princeton University